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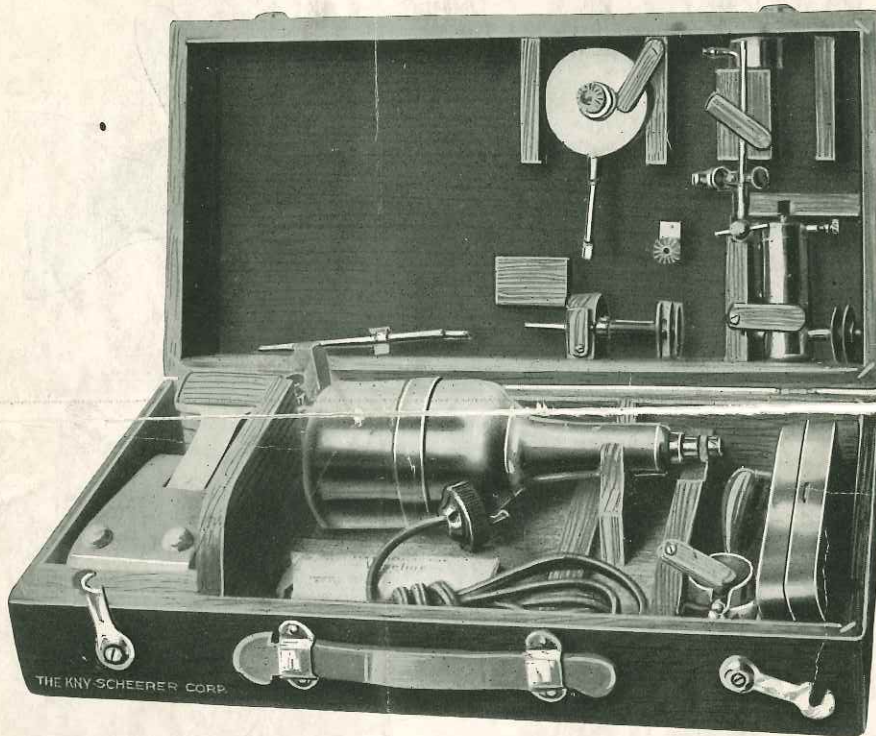
THE KNY-SCHEERER CORPORATION • NEW YORK

The Albee Electro-Operative Bone Set

(Patent Pending)

With

Hartley-Kenyon Sterilizable Shells



G/345

The Complete Set, in Portable Case

For Sale By

606/79

THE KNY-SCHEERER CORP.'S TRADE



MARK IS A GUARANTEE OF QUALITY

The Albee Electro-Operative Bone Set

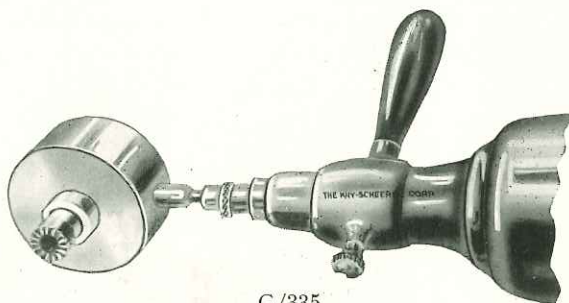
PATENT PENDING

Devised by

Dr. Fred H. Albee, New York City

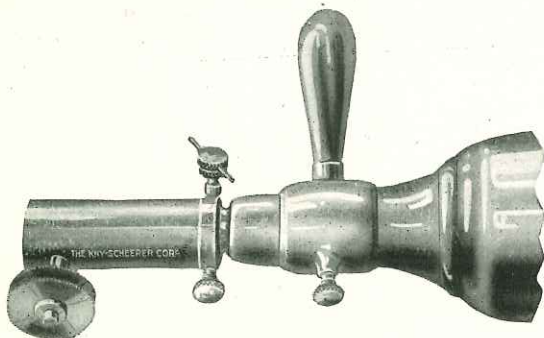
For full details in reference to the use of this outfit, we refer to the American Journal of Surgery, issue of January, 1914, pages 21 to 26

BONE Transplantation, up to the time when Dr. Albee first began to use his technique, had practically no use as a successful surgical agent. Dr. Albee first used the chisel and mallet medium for securing the graft from the tibia. The loss of time and the probable inaccuracies of the finished wedge, dowel or inlay graft are particularly apparent in the longer grafts up to and including ten inches. In modelling the graft into dowels, wedges, inlays and in using the mechanical devices of tongue and groove joints, dove-tail joints, etc., the hammer and chisel method is superseded by the modern Electro-Operative instruments as devised by Dr. Albee. Success, in bone surgery, often rests on the distinction between the crude hammer and chisel coaptation and the accurate cabinet-maker fit insured by the use of a motor saw. This is especially true in cases of ununited fractures.



G/335
Dowel Shaper

The Albee Electro-Operative Bone Set avoids the flexible cable used heretofore to convey the power from the motor to the instrument. A cable is always in the way, is not readily kept sterile, and if bent at an angle while running, it will generate heat and stall the motor. This is entirely obviated in the Albee saw, where the motor is held in the hands of the operator and the current is supplied to it through the flexible electric cable as suggested by Hartley and Kenyon.



G/334
Angular Twin Saw attached to Motor

The ideal surgical electro-motor outfit should measure up to the following requirements.

1. It should permit of the thorough and rapid sterilization of every part which comes in contact with the surgeon or the field of operation, including the electric cable for transmitting the power. The rapidity of



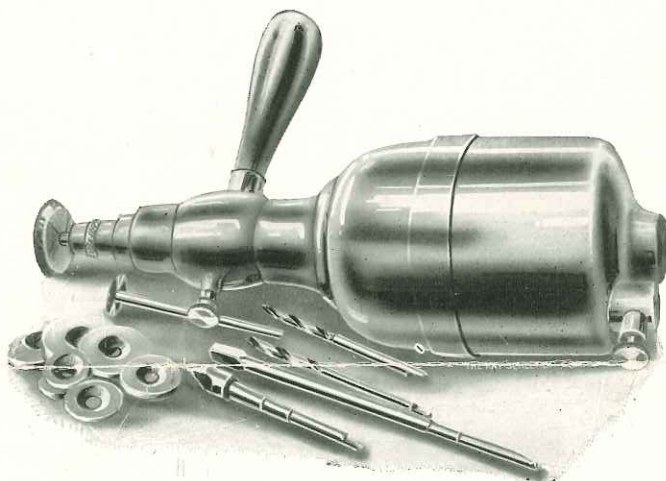
sterilization is important as the outfit may have to be used in several consecutive operations.

2. It should permit of ready application to all types of osteoplasty, whether situated superficially or in a deep wound; whether the work to be done is the procuring of the graft, the preparation of its bed, the drilling of holes, the removal of bone for the correction of deformity or disease, or to allow the proper approximation and alignment of bone as in fragments in cases of fracture.



Foot Controller

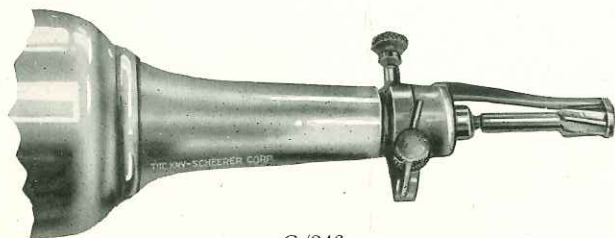
3. It should permit accurate control and guidance of the motor cutting tool in all wounds and at all angles.



Long Twist Drill, Single Saw and Mandrels, Bone Receiver, and Taper Burr Fraise

4. It should permit easy and convenient control of the electric current.

5. It should be light in weight, small in bulk, and permit of easy transportation.



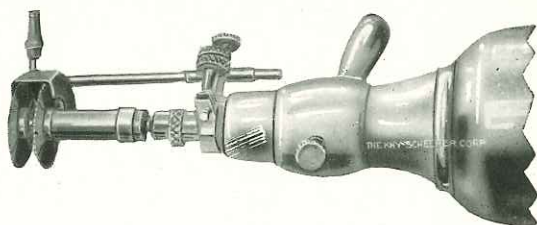
G/346
Revolving Osteotome

6. The motor should be universal and adapted to all types of electric current.

7. The motor instruments—saws of different types, drills, dowel shapers, etc.—should be held in place in the motor by an automatic catch favoring their speedy interchange.



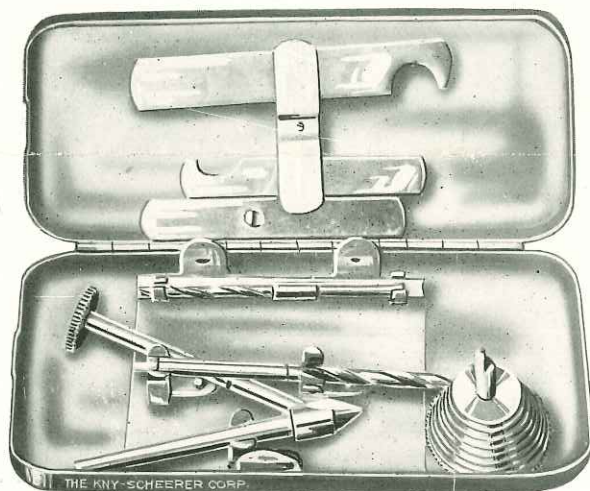
8. The motor-cutting tools should be constructed similarly to those long-used by the artisan for working hard materials, and should be of sufficient variety to meet every requirement of bone carpentry. The twin saw for inlay work should be so con-



G/332 and G/333
Twin Saw with Guard

structed that it can be readily adjusted—to the fraction of a millimeter—by the gloved hands of the surgeon at the operating table. The dowel cutters with drills of corresponding diameters should vary in size sufficiently to meet all requirements.

9. The motor should furnish enough power to drive rapidly a saw or large drill through the thickest human cortex without tendency to stall.



Sterilizer Case for Drills, Burrs and Single Saw

The shells and the portion of the cord leading to the motor, together with the various attachments, are sterilized by boiling, thereby insuring absolute sterilization. All the various attachments are made to be sterilized by boiling in their entirety and **SHOULD NOT BE TAKEN APART.**

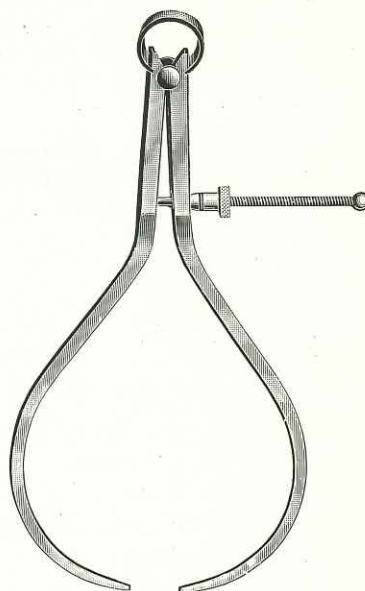
An automatic clutch adjustable to the motor shaft permits instantaneous exchange of the various operating instruments.



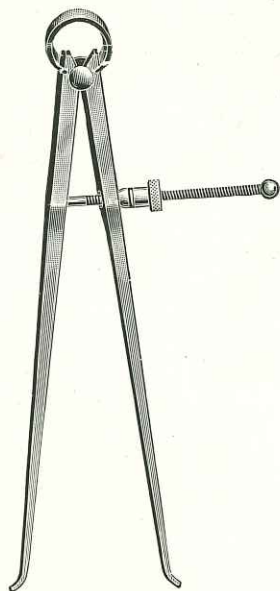
A set of complete directions accompany every motor saw.

The twin saw is adjustable, so inlay grafts of any width, also gutters for the same, can readily be cut. The back blade, by a half turn, locks the distal blade. This enables the surgeon to adjust the width of the cut without the use of accessory instruments.

An adjustable spray-guard can be had for use with the single or twin saw to prevent the flying of bone dust, blood and solution into the surgeon's face.



G/340
Albee's Calipers, outside



G/339
Albee's Calipers, inside

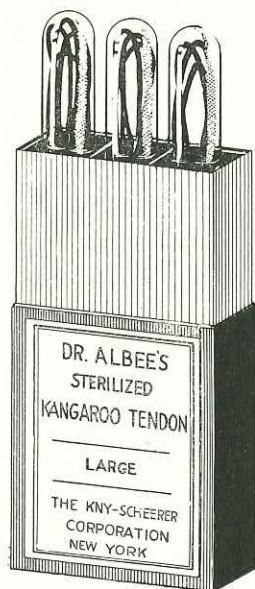
The angular saw is of special value for its ready adjustment into deep wounds.

With Dr. Albee's technique and instruments, bone grafts and their recipient beds can be readily and accurately modelled with a minimal of traumatism and manipulation and a consequent lessening of a chance of infection, thereby insuring increased likelihood of success.





G/338
Albee's Broad Thin
Osteotome



G/343
Albee's Sterilized Kangaroo
Tendon



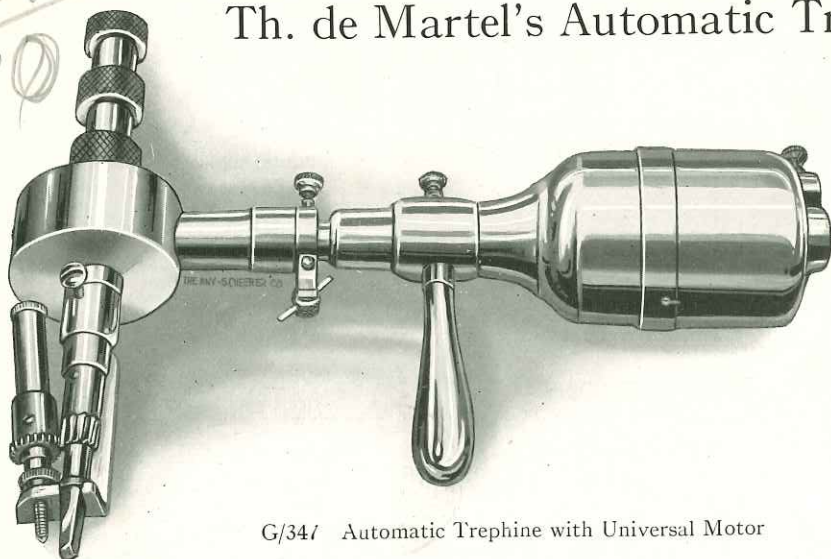
G/342
Albee's
Ligature
Passer



G/341
Albee's Bone
Gauge, Trian-
gular shape



Th. de Martel's Automatic Trephine



G/34/ Automatic Trephine with Universal Motor



Spiral Osteotome

A GREAT many new instruments have been devised during the past few years for the transplantation of bone and for the trephining of the skull, both for hand and electric power.

There always has been a desire on the part of the surgeon for instruments to cut clean and quickly. The saving of time is an important factor, as considerable shock produced by the use of any instrument which is operated slowly.

The instruments devised by Dr. Fred H. Albee, N. Y., Post Graduate Hospital, N. Y., are conceded to be the best produced anywhere. The omission of a flexible shaft and simplifying the general method of sterilization is surely a step forward.

With this apparatus, many instruments have been made for use with the one motor, possibly quite a few more may be devised during the next year or two.

Among the latest accessory devices, the "Automatic Trephine" is one of the most novel instruments. It illustrates the "Acme" of the Surgical Instrument Maker's Art.

Dr. Th. de Martel, of Paris, designed this very successful instrument. The original was used with a flexible cable and shaft to transmit the motive power. Now the instrument has been developed for use with the Universal Motor of Dr. Albee.

The unique feature of this cranial trephine is the automatic guide and stopping of the trephine the moment the wall of the table is reduced to about $\frac{1}{2}$ mm. regardless of the amount of pressure the operator may exert upon the motor and handpiece. There is no possibility of injury to the dura with the use of this automatic instrument.

After the initial openings are made, the trephine is to be exchanged for a spiral osteotome with guard attached (see illustration). This is inserted through the opening and a flap can be cut of whatever shape is desired. The handpiece is swiveled and permits free movement of the cutting surface in any direction.



*Special
Patent
12,152
282,310*

Prices

Code			
Caemo	G/331	Albee's Small Set, in hard wood carrying case, Comprising:	
		Universal Motor, with the necessary conducting cord, aseptic sterilizable shell, guide handle for same	Wrench
		Bone Reamer	Foot Speed Controller
		Saw, with one mandrel and 8 gauges	Long Twist Drill
		Spanner	Sterilizer Case, for drills, burrs and Single Saw
			Price, net, \$125.00

Additional Special Instruments

Code			
Caena	G/332	Adjustable Spray-Guard to prevent the flying of solution and avoid accidents, for use with single or twin saw.....net	\$7.50
Caepi	G/333	Albee's Twin Saw, mounted on adjustable mandrel, so that an inlay graft or gutter for same can be accurately made up to $\frac{5}{8}$ inch in width.....net	12.00
Caesa	G/334	Albee's Angular Saw, to use as twin or single saw.....net	30.00
Caesi	G/335	Albee's Dowel Shaper, with 2 cutters.....net	30.00
Cafal	G/336	Albee's Extra Long Taper Burr Fraise, for femur.....net	8.00
Cafel	G/337	Extra Small Saw, for cross cut.....net	2.50
Cafre	G/345	Albee's Complete Set, comprising all instruments listed above, in hard wood carrying case.....net	215.00
Cafro	G/346	Revolving Osteotome for Laminectomy and Skull Work.....net	18.00
Cavi	G/338	Dr. Albee's Broad Thin Osteotome for splitting the spinous processes of the spine in preparing the graft bed.....net	5.50
Cafte	G/339	Dr. Albee's Caliper for measuring bone grafts, inside.....net	4.00
Cafug	G/340	Dr. Albee's Caliper for measuring bone grafts, outside.....net	4.00
Cafsa	G/341	Dr. Albee's Bone Gauge, Triangular shape.....net	1.50
Cafyo	G/342	Dr. Albee's Ligature Passer.....net	2.25
Cafwa	G/343	Dr. Albee's Sterilized Kangaroo Tendon Suture, made in 3 sizes, small, medium and large.....per doz., net	3.60
Caiga	G/347	Automatic Trephine attachment, Martel's, to use in connection with Universal Motor of Dr. Albee's instruments G/331, complete with	
		1 Pointed cutter for starting	
		1 Blunt trephine cutter	
		1 Spiral Osteotome	
		1 Guard for Osteotome.....per set	\$150.00
Caipo	G/348	Automatic Trephine, Martel's, complete with Universal sterilizable motor (G/331), foot switch and the necessary conducting cords; complete, per set	250.00

